

WHAT IS CLAIMED IS:

1. A multi-display video display system including a plurality of displays and video signal processing units  
5 respectively associated with the displays, a single image being displayed by using the displays,

wherein each of the video signal processing units comprises:

a generation section which receives a video signal of  
10 a same original image, and which divides the video signal so as to be associated with the displays, thereby generating a division display signal;

an average luminance level acquisition section which receives the video signal of the same original image, and  
15 which acquires a first average luminance level based on the video signal preceding the division, acquiring second average luminance levels respectively of video signals obtained by the division; and

an average luminance level setting section which  
20 selects one from among the first average luminance level and the second average luminance levels, supplying the selected one to a display associated with the video signal processing unit,

wherein each of the displays comprises a control device  
25 which controls display brightness on the basis of an average luminance level supplied from a video signal processing unit associated with the display.

2. The multi-display video display system according to claim 1, wherein the average luminance level setting sections in the video signal processing units supply a same average  
5 luminance level to the displays, respectively.

3. The multi-display video display system according to claim 1, wherein the average luminance level setting sections in the video signal processing units supply a second average  
10 luminance level that is a maximum among the second average luminance levels to the displays, respectively.

4. A method of displaying image in a multi-display video display system including a plurality of displays and video  
15 signal processing units respectively associated with the displays, a single image being displayed by using the displays, the method comprising the processes of:

receiving a video signal of a same original image, in each of the video signal processing units;

20 dividing the video signal so as to be associated with the displays, in each of the video signal processing units;

generating a division display signal, in each of the video signal processing units;

acquiring a first average luminance level based on the video signal preceding the division, in each of the video  
25 signal processing units;

acquiring second average luminance levels

respectively of video signals obtained by the division, in each of the video signal processing units;

selecting one from among the first average luminance level and the second average luminance levels, in each of  
5 the video signal processing units;

supplying the selected one to a display associated with the video signal processing unit, in each of the video signal processing units; and

controlling display brightness in each of the displays  
10 on the basis of the supplied average luminance level.

5. The method according to claim 4, wherein the process of supplying supplies a same average luminance level to each of the displays.  
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6. The method according to claim 4, wherein the process of supplying supplies a second average luminance level that is a maximum among the second average luminance levels to each of the displays.  
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